

FIG.1

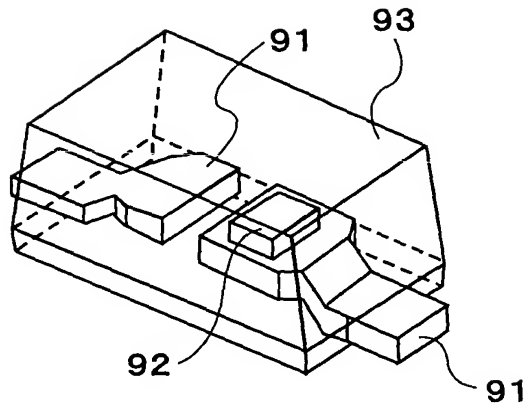


FIG.2

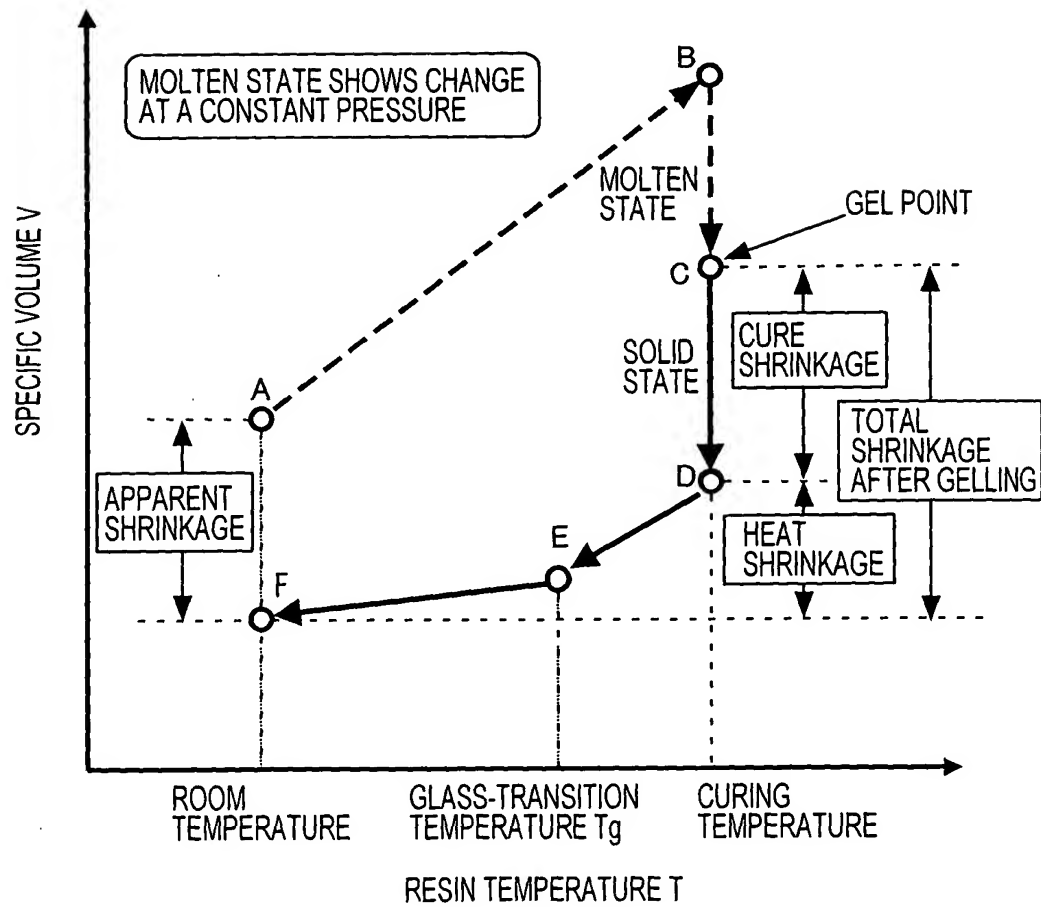


FIG.3

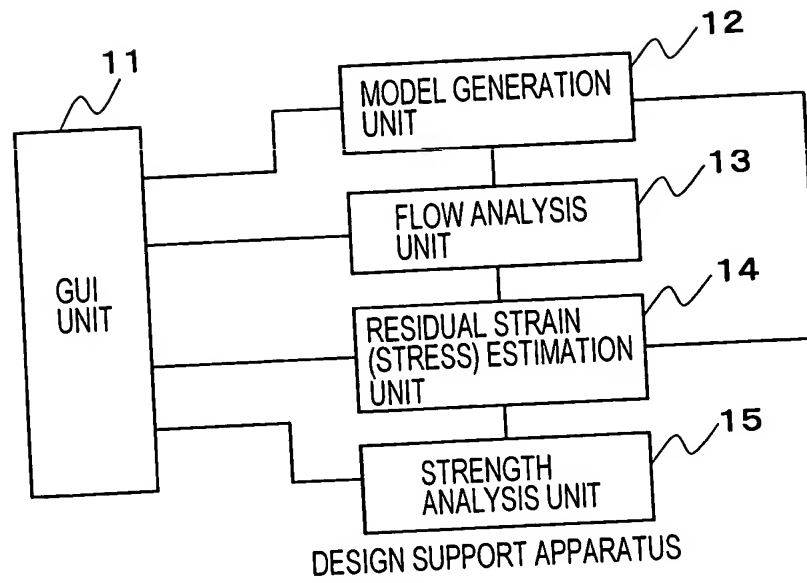


FIG.4

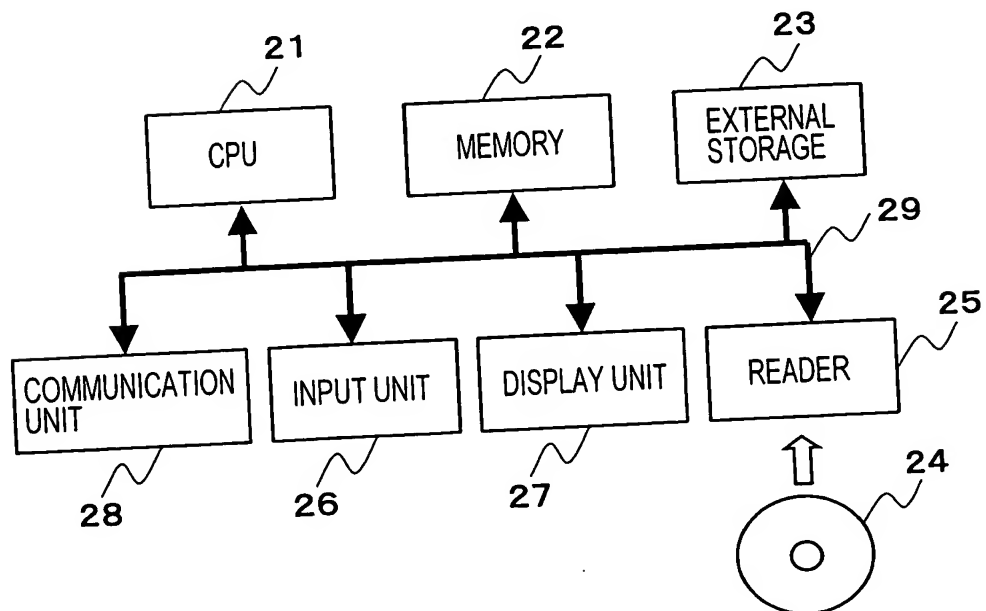


FIG.5

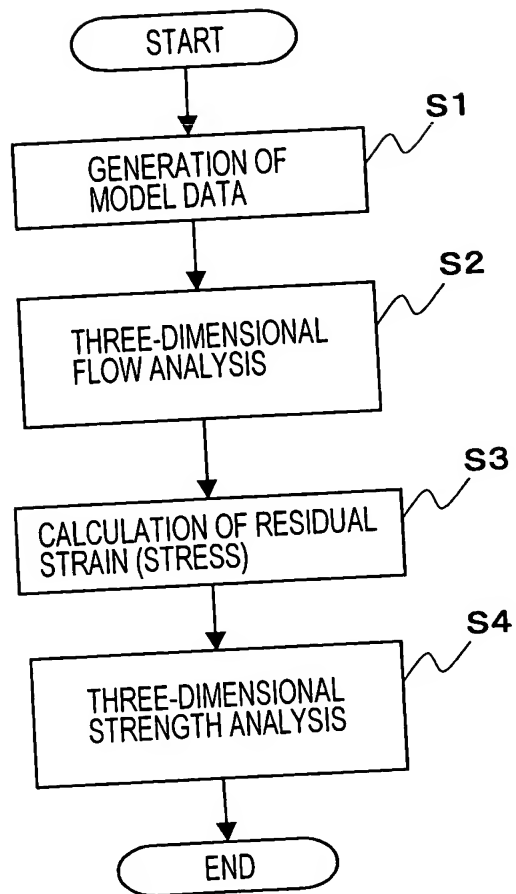


FIG.6

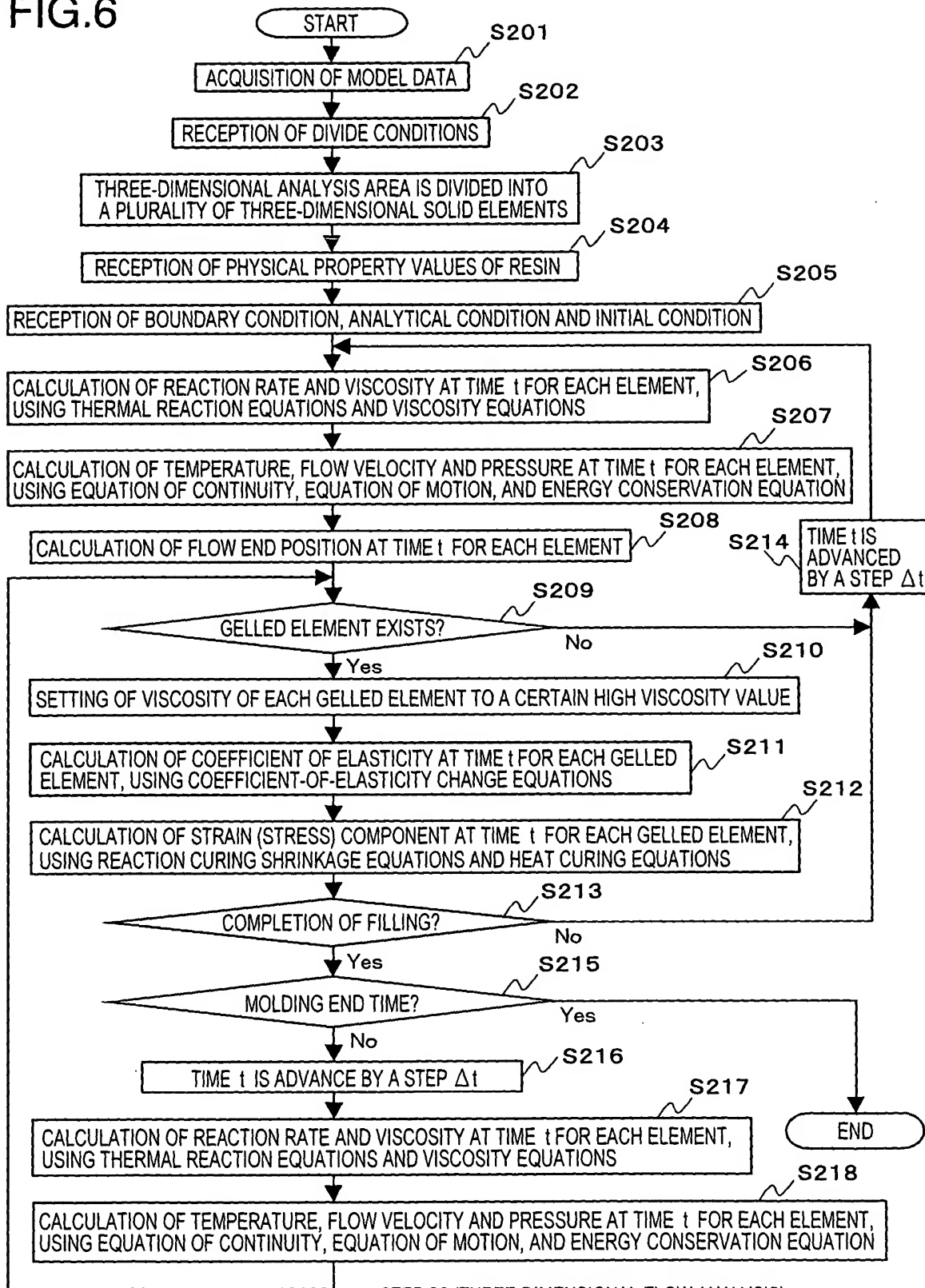


FIG.7

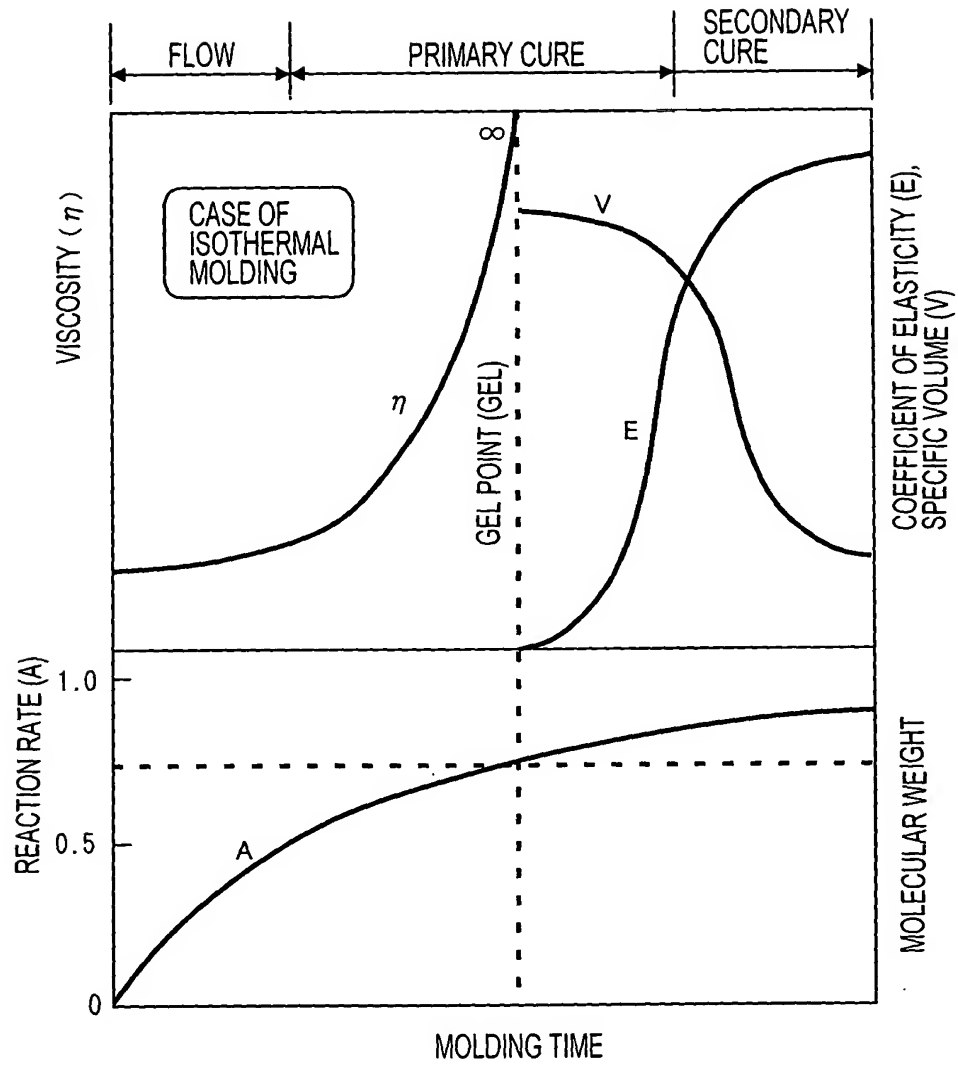


FIG.8

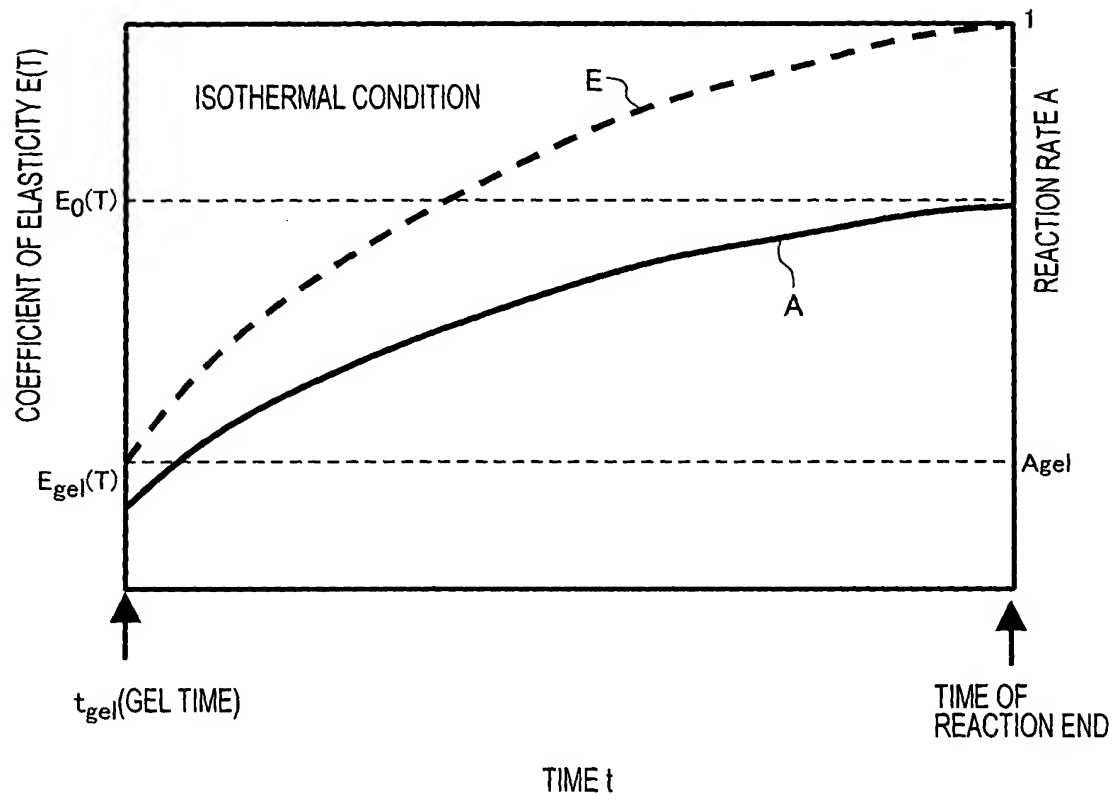


FIG.9

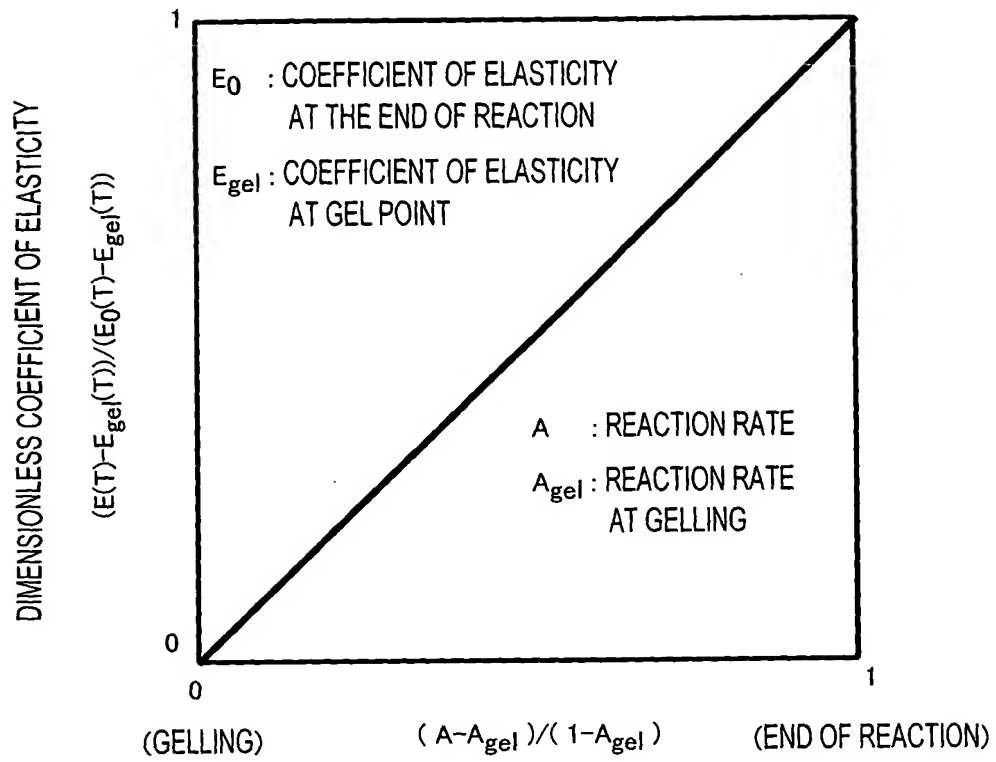


FIG.10

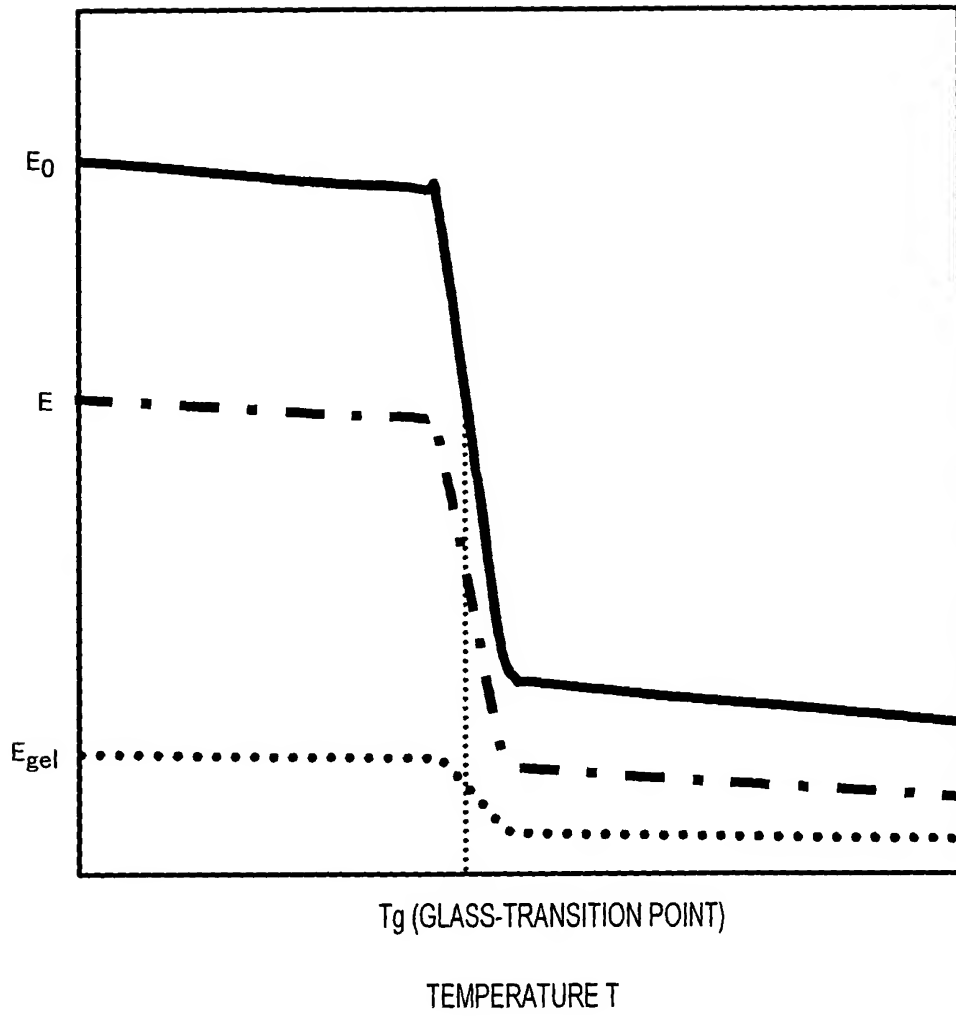


FIG.11

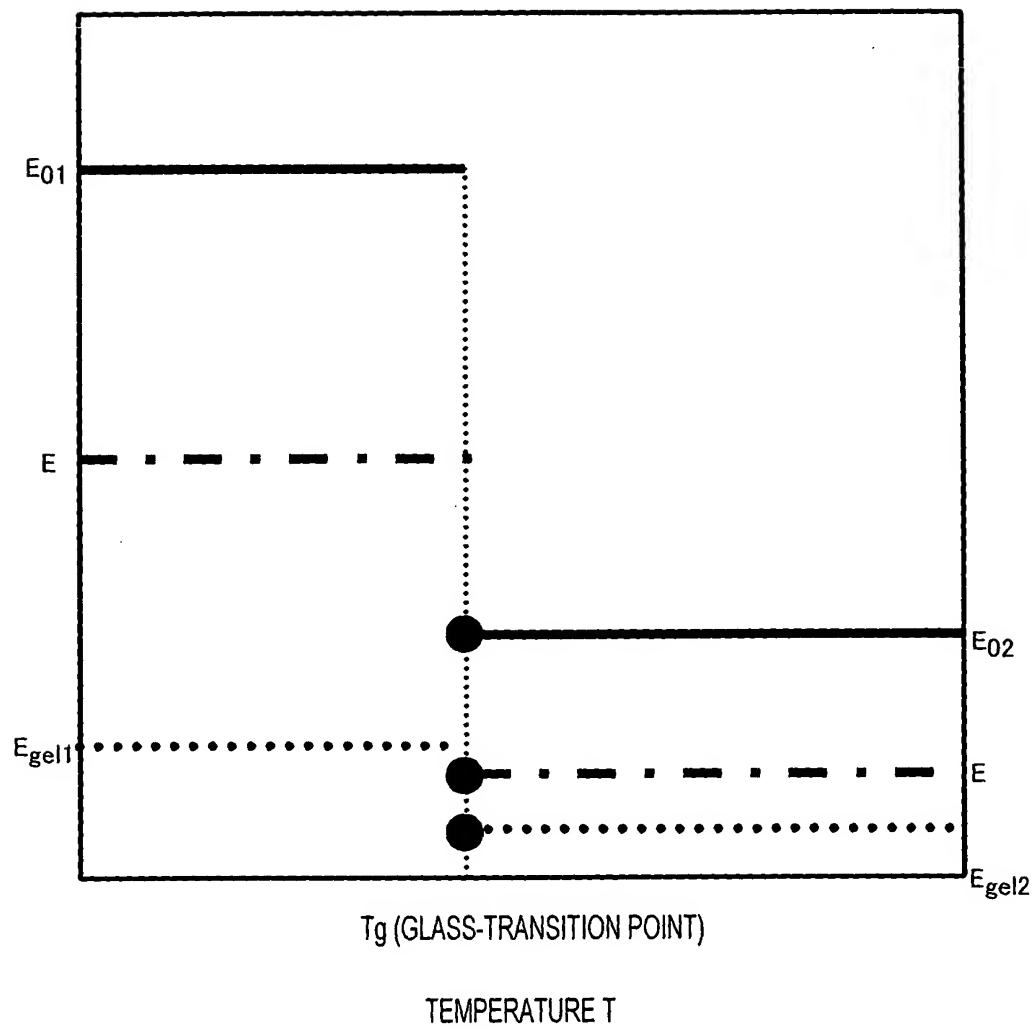


FIG.12

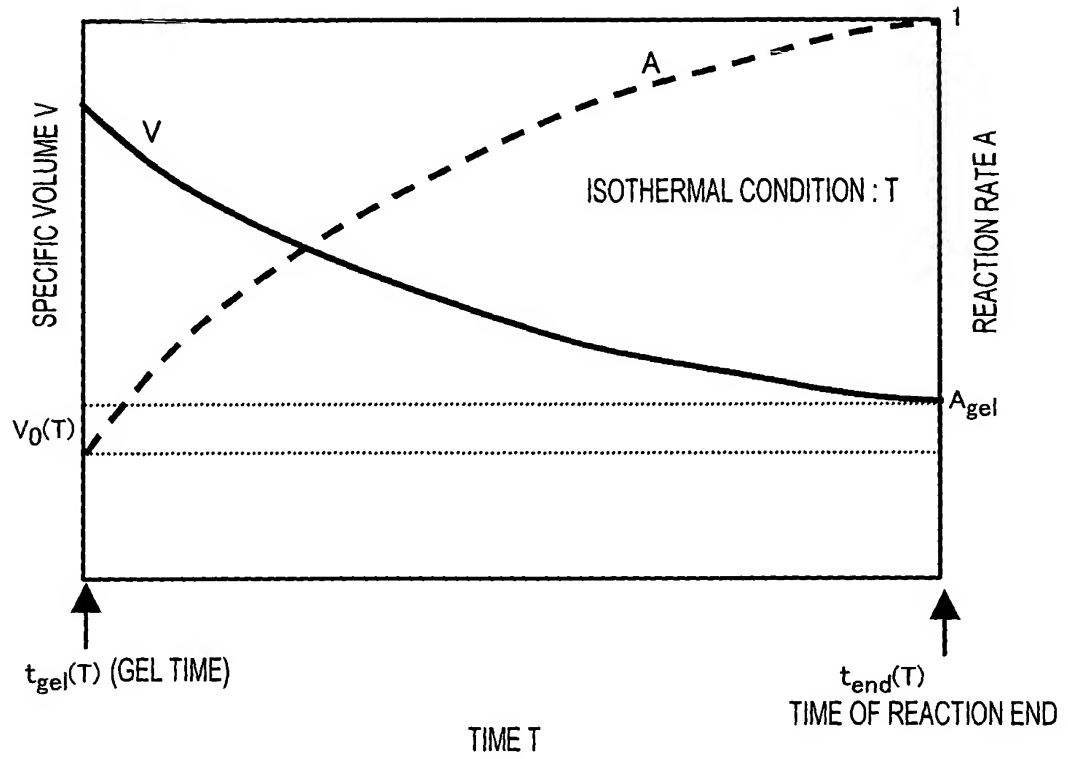


FIG.13

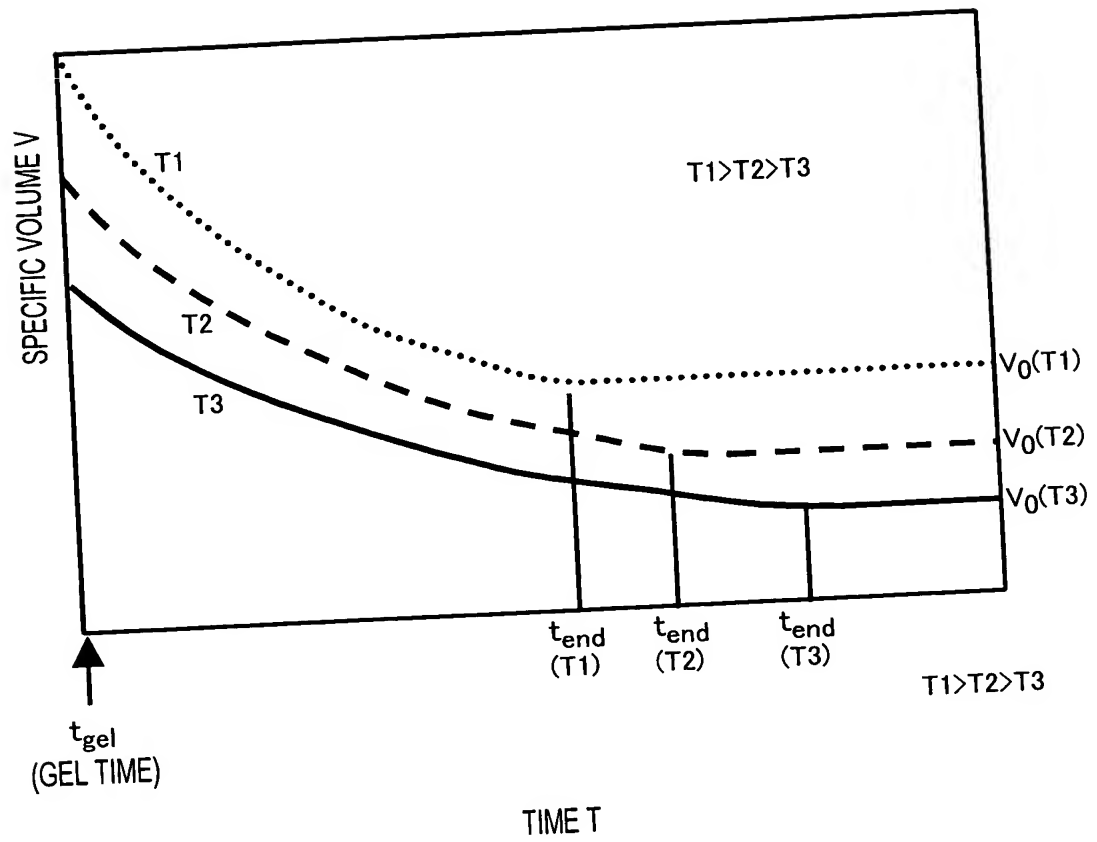


FIG.14

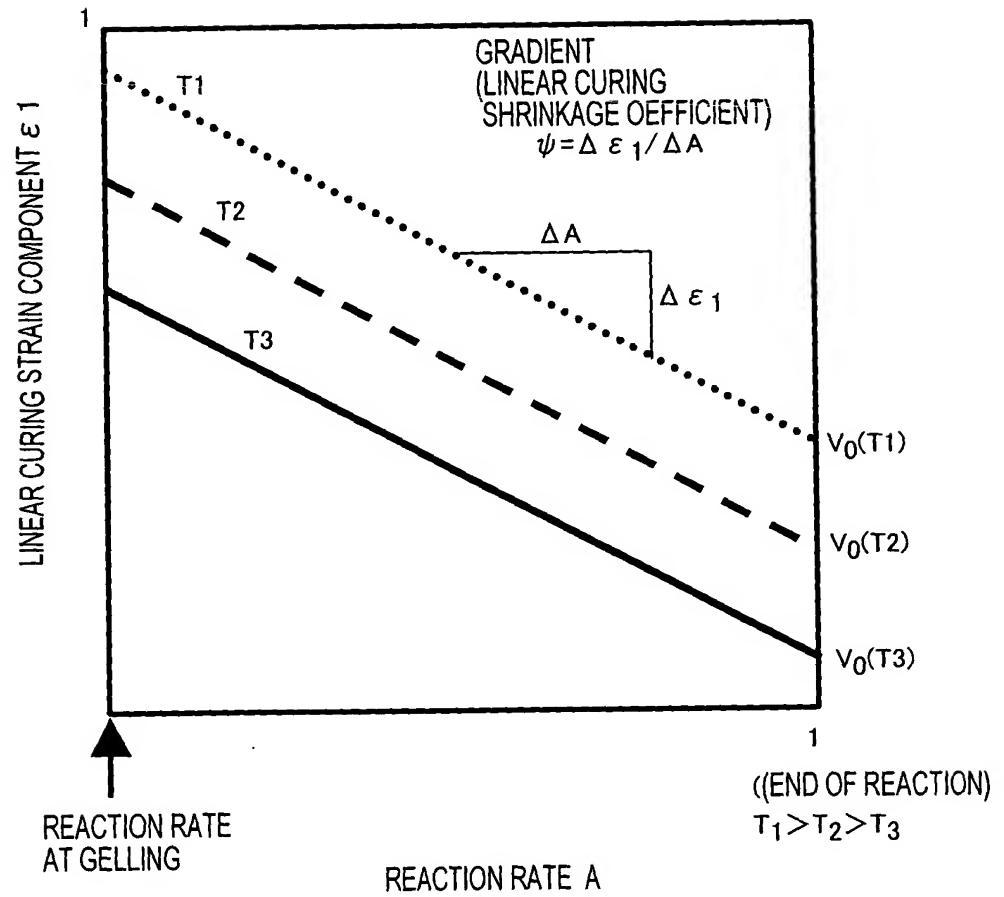


FIG.15

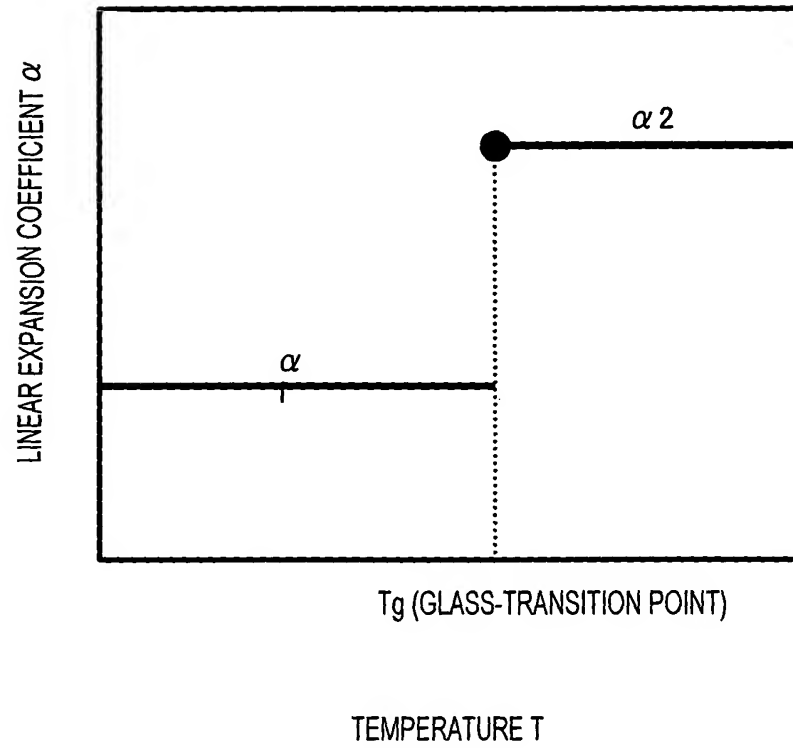


FIG. 16

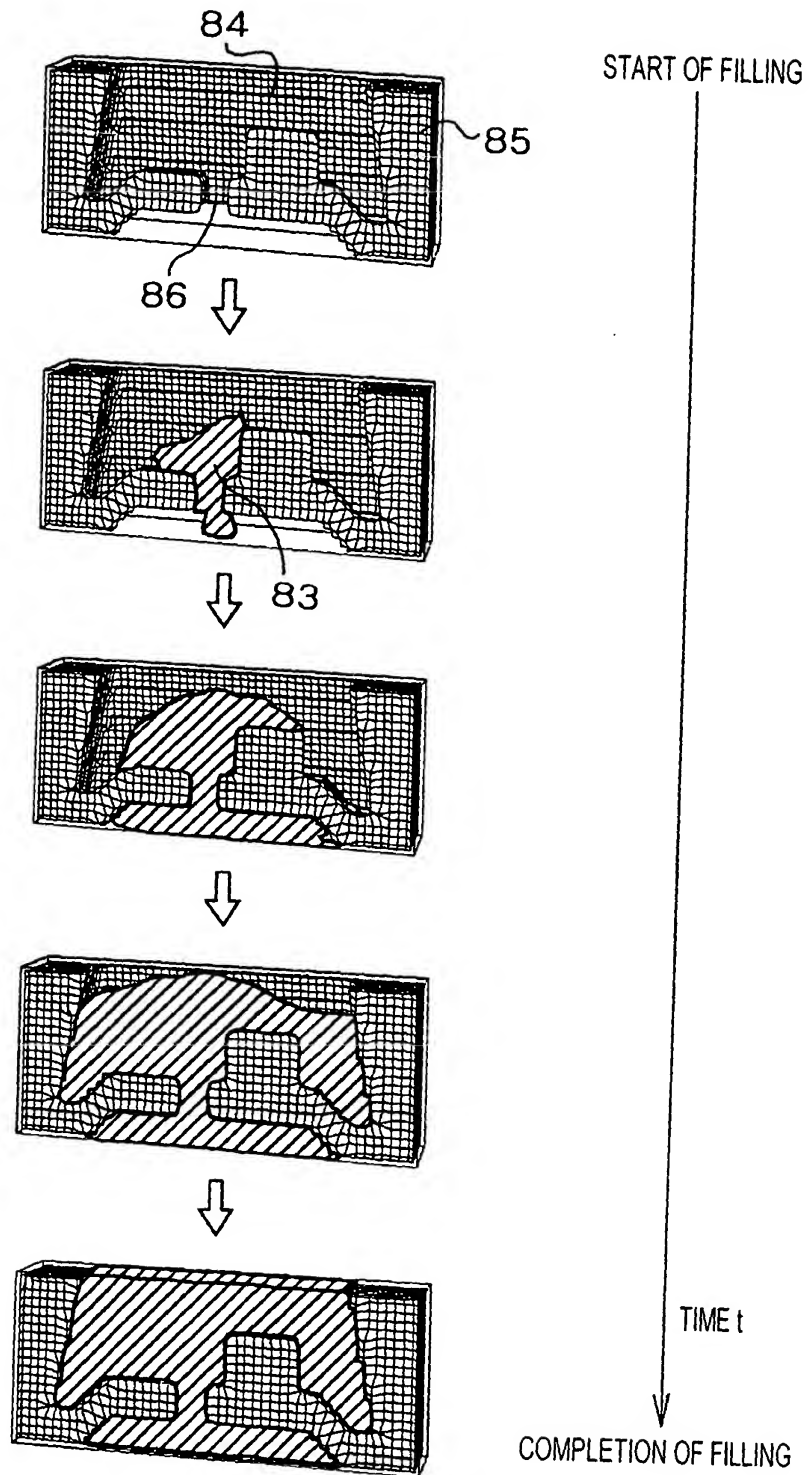


FIG.17

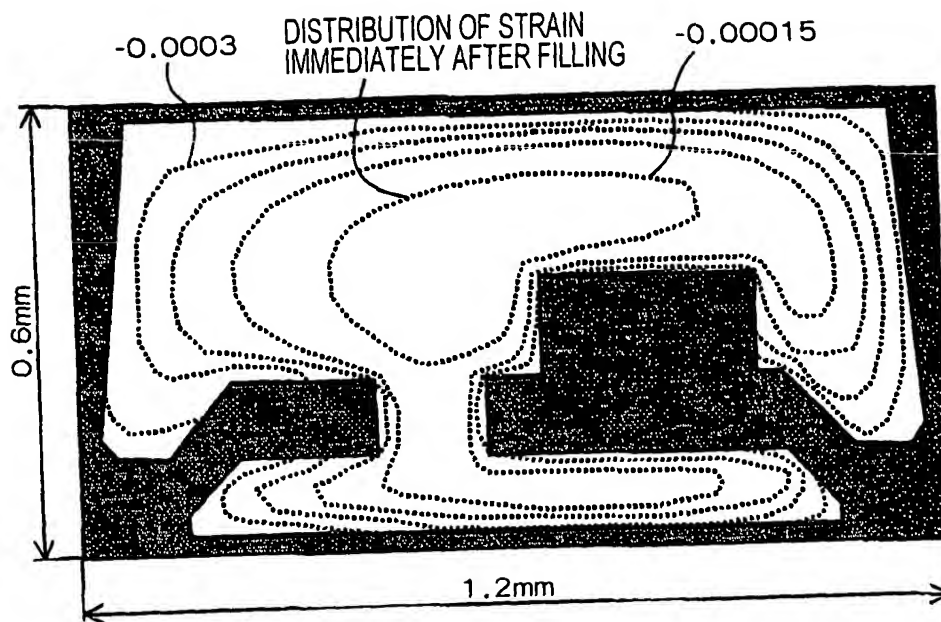


FIG.18

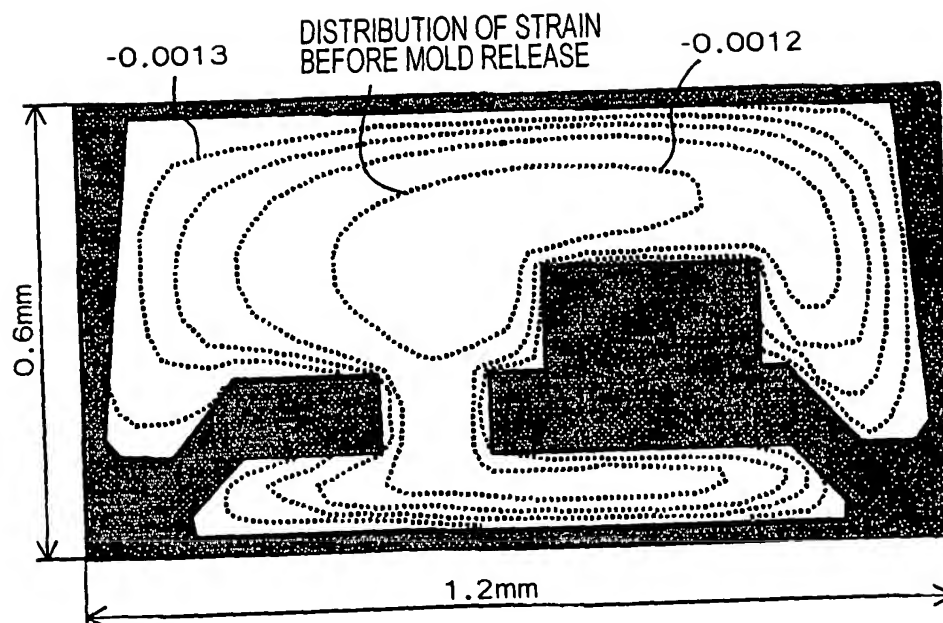
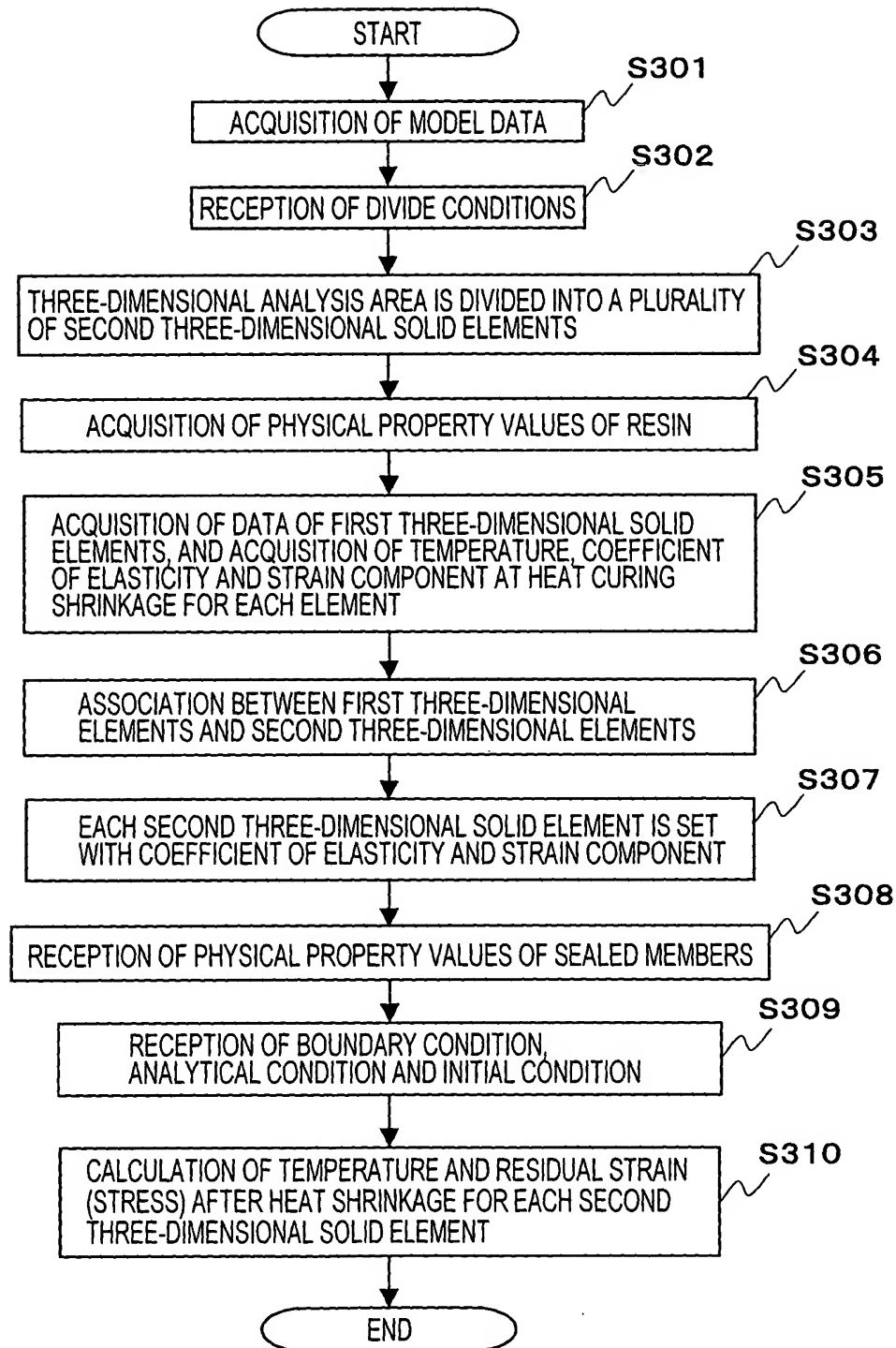




FIG.21



STEP S3 (CALCULATION OF RESIDUAL STRAIN (STRESS))

FIG.22

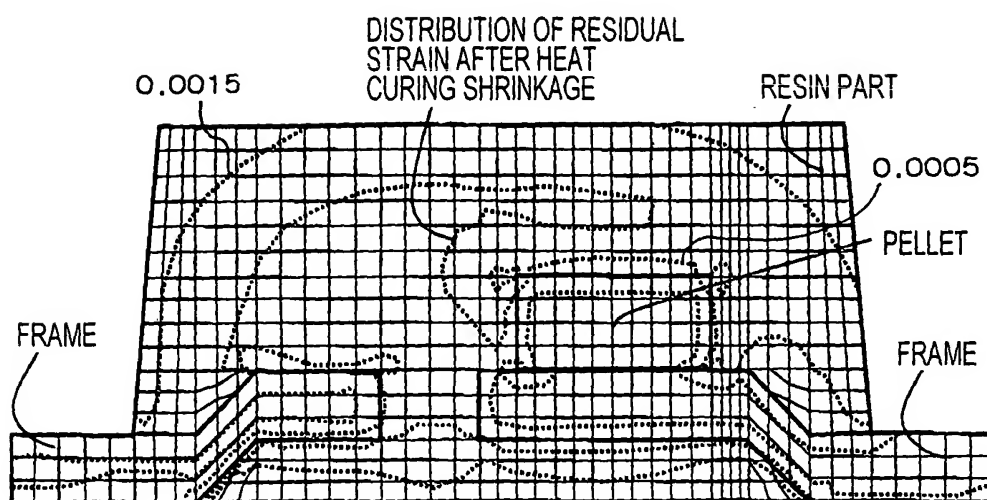


FIG.23

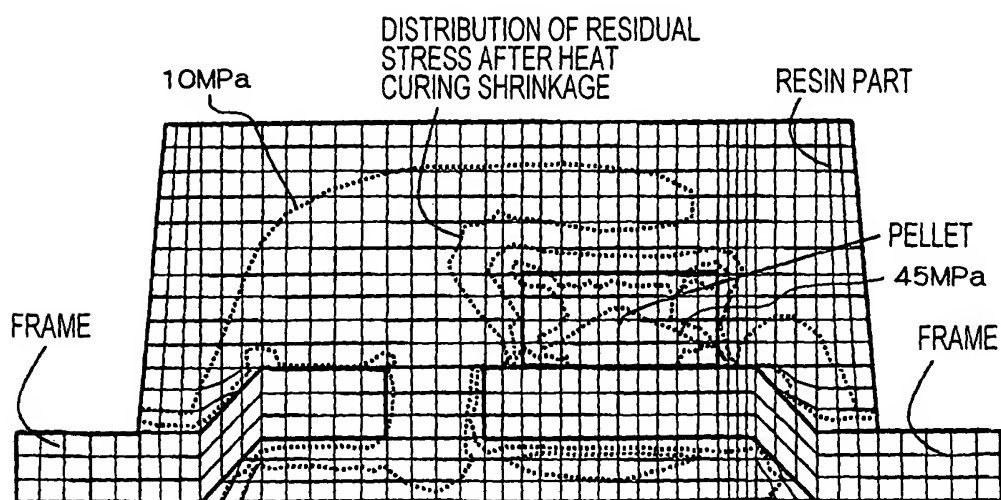


FIG.24

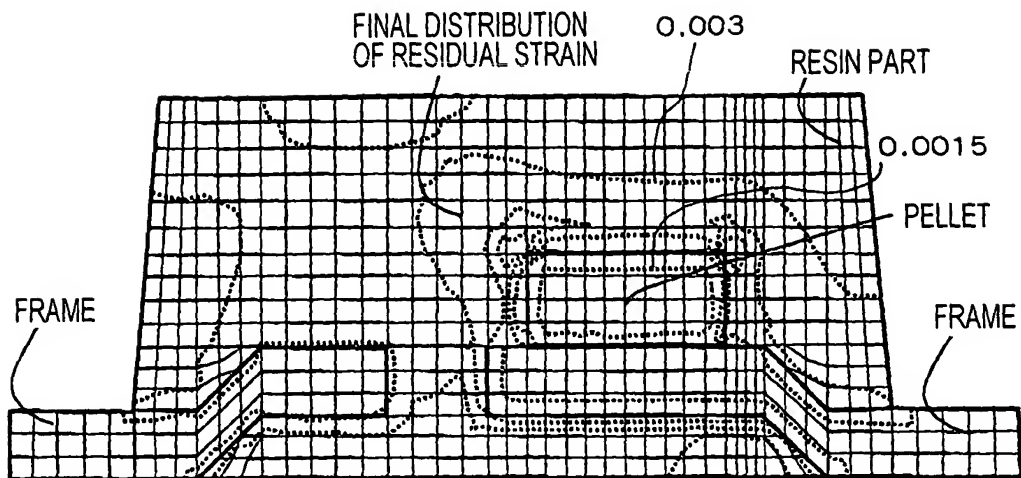


FIG.25

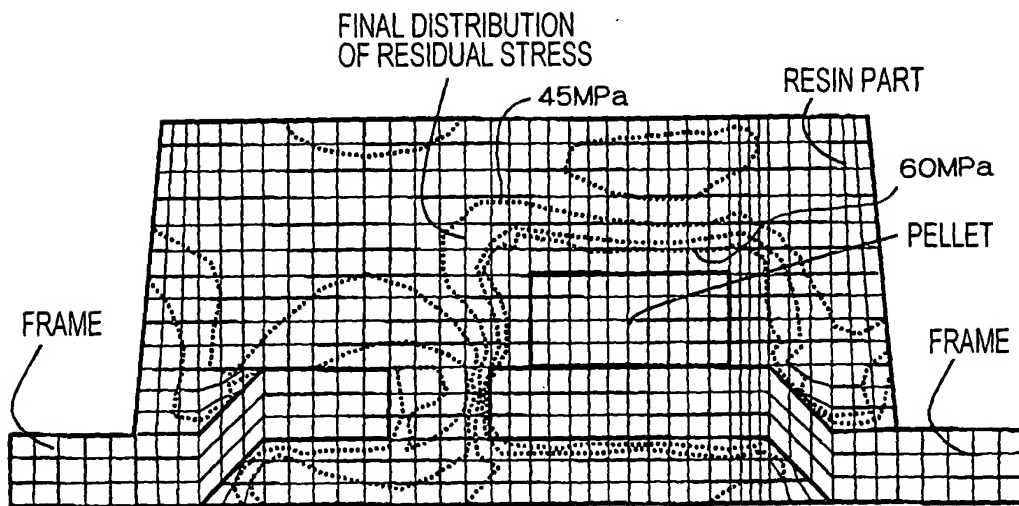
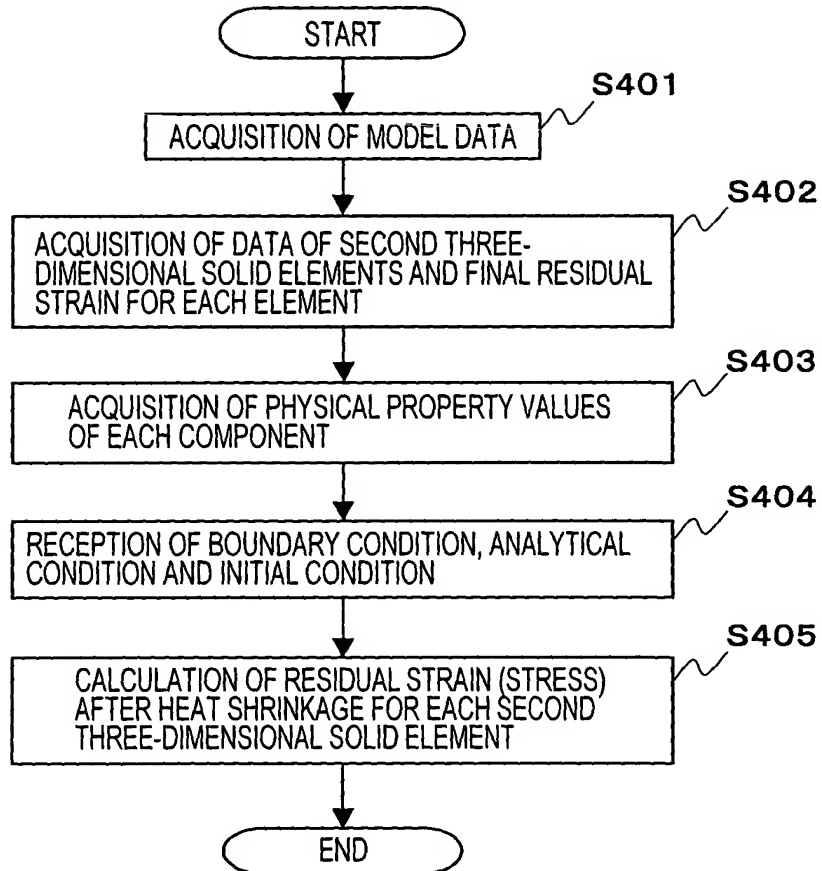


FIG.26



STEP S4 (THREE-DIMENSIONAL STRENGTH ANALYSIS PROCESSING)

FIG.27

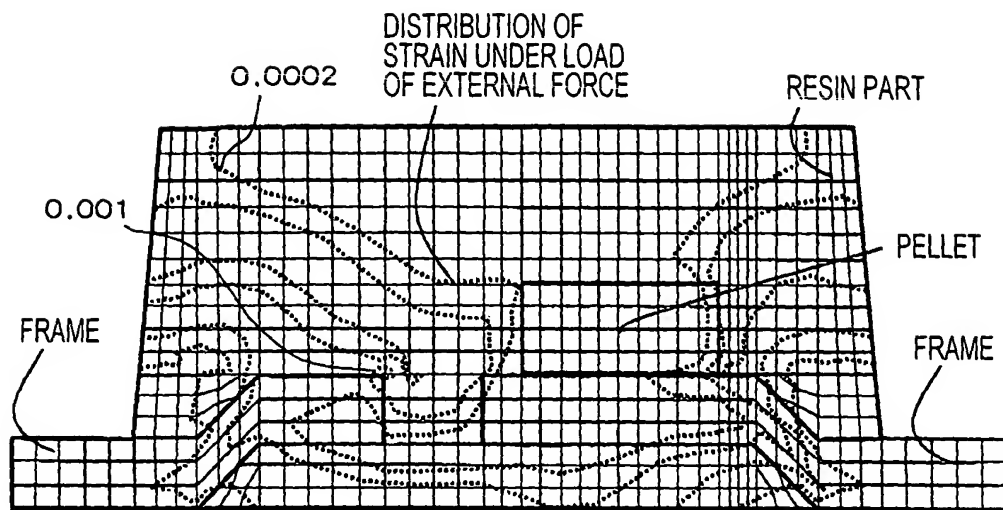


FIG.28

